

RIPAN, Raluca; POP, Gh.

Utilization of ascorbic acid in gravimetric analysis. Pt.2. Rev chimie  
Min petr 14 no.7:413 J1 '63.

1. Institutul de chimie al Academiei R.P.R. - Filiala Cluj.

RIFAN, Ealuca; POP, Gh.

Contributions to the polarographic determination of bismuth  
in lead ima complexon III medium. Rev chimie Min petr 14  
no.8:464-465 Ag '63.

1. Institutul de chimie al Academiei R.P.R. - Filiala Cluj.

RIPAN, Raluca; MARCU, Gh.; MURGU, Gh.

Application of the method of analysis by  $\beta$ -radiation reflection in industry. Rev chimie Min petr 13 no.10:612-614 0 '62.

1. Universitatea "Babes-Bolyai", Cluj, Catedra de chimie anorganica si analitica.

RIPAN, ZHAKO

RUMANIA/Inorganic Chemistry - Complex Compounds.

C.

Abs Jour : Ref Zhur - Khimiya, No 12, 1958, 39170

Author : Ripan, Zhako

Inst : Academy RFR

Title : A Physical-Chemical Study of the Formation of Molybdopyrophosphate in Aqueous Solutions.

Orig Pub : Studii si cercetari chim. Acad. RFR Fil. Cluj, 1957, 8, No 1-2, 7-19

Abstract : The following systems were studied by conductometric, colorimetric and potentiometric methods:  
 $H_4P_2O_7 - (NH_4)_6Mo_7O_{24} - H_2O$ , and  $H_4P_2O_7 - molybdic$  acid - water. In the first system, the presence of 1-, 3-, and 5-molybdate pyrophosphate ions was established, and in the second systems, the presence of 1.4-, 6-,

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RUMANIA/Inorganic Chemistry - Complex Compounds.

C.

Abs Jour : Ref Zhur - Khimiya, No 12, 1958, 39170

12-, and 18-molybdate pyrophosphate ions.

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13.

Dr. G. M. Veterinarian, of the Central Veterinary Health  
Control Laboratory for Foods and Feeds (Laboratorul Central  
de Control Sanitar Veterinar al Alimentelor si Furajelor),  
Bucharest.

"Some Observations on a Few Cases of Intoxications in  
Animals."

Bucharest, Revista de Zootehnie si Medicina Veterinara,  
Vol 10, No 2, Mar 1963, pp 48-66.

Abstract: A review article on various types of intoxi-  
cations affecting cattle, poultry, horses, fishes and  
birds. Discusses especially the intoxication of sheep  
by the tubercles of the Stachys thymifolia plant, aldrin,  
botulinic intoxications, copper sulfate overdoses, resi-  
dual waters and soot.

Includes 16 figures and 16 references, of which 5  
are abstracts.

1/1

RIPEANU, M. D.  
~~SURNAME (in caps)~~; Given Names

Country: Rumania

Academic Degrees: Veterinarian

Affiliation: Central Sanitary-Veterinary Control Laboratory for Food and  
Fodder (Laboratorul Central de Control Sanitar-Veterinar

Source: al Alimentelor si Furajelor).  
Bucharest, Probleme Zootehnice si Veterinare, No 6, 1961,

Data: pp 50-55.

" On Fodder Urea Intoxication in Cattle."

Ripeanu, M. D.

9

MITROIU, P.  
SURNAME (in caps); Given Name

Country: Rumania

Academic Degrees: Veterinarian

Affiliation: Institute of Pathology and Animal Hygiene (Institutul de Patologie si Igiena Animala).

Source: Bucharest, Probleme Zootehnice si Veterinare, No 6, 1961, pp 57-62.

Date: "Data on a Botulinic Intoxication With Siloed Podder In Horses."

Co-authors:

UNGUREANU, C., Dr., Institute of Pathology and Animal Hygiene (Institutul de Patologie si Igiena Animala).

ORECIANU, A.I., Veterinarian, Institute of Pathology and Animal Hygiene (Institutul de Patologie si Igiena Animala).

SIMBU, Z., Dr., Institute of Pathology and Animal Hygiene (Institutul de Patologie si Igiena Animala).

RIPEANU, M.D., Veterinarian, Food and Podder Control Laboratory (Laboratorul de Control al Alimentelor si Furajelor).

RUMANIA

RIPEANU, H. D., Veterinarian, of the Central Laboratory for the Health-Veterinary Control of Foods and Fodder (Laboratorul Central de Control Sanitar-Veterinar al Alimentelor si Furajelor).

"On the Harmful Character of Some Less Known Plants."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 16, No 3, Mar 66, pp 71-78.

Abstract: The author describes some less well-known plants which are harmful to animals if eaten and suggest therapeutic measures. The plants covered include Erysimum L., E. crepidifolium Rchb., Juncus L., Onopordon acanthium L., Xanthium strumarium L., Cirsium arvense and Gallega officinalis L as well as Amaranthus retroflexus L.

Includes 6 figures and 14 references, of which 9 are Rumanian, one Russian, one German and 3 Western.

1/1

BALLY, D.; TODIREANU, S.; RIFEANU, S.; BELLONI, M.G.

Total reflection of neutrons on metallic mirrors. Studii  
cerc fiz 15 no. 3:376 '64.

1. Institute of Atomic Physics, Bucharest.

BALLY, D.; TODIREANU, S.; RIPEANU, S.

Total cross section of aluminum for neutrons of energies from  
0,003 ev to 0,009 ev. Studii cerc fiz 15 no. 3:375-376 '64.

1. Institut of Atomic Physics, Bucharest.

ROSENBERG, M.; RIPEANU, S.

Dependence of temperature on the coercive force of nickel and nickel-iron alloys. Studii cerc fiz 11 no.3:669-683 '60. (EEAI 10:2)

1. Fac. de matematica si fizica, Univ. "C.I.Parhon" si Institutul de fizica atomica. Bucuresti.

(Temperature) (Coercive force (Magnetic))  
(Nickel) (Iron-nickel alloys)

BALLY, D.; TODIREANU, S.; RIPEANU, S.; BELLONI, M. S.

Total reflection of neutrons in metallic mirrors. Automatica  
electronica 8 no.4:189 J1-Ag '64.



GEBGARDI, A.G.; RIPETSKIY, R.E.; SHTEYNBERG, Z.I.

State of thiamine in soils. Izv. AN SSSR. Ser. biol. no.3:401-408  
My-Je '60. (MIRA 13:7)

1. State University, Lvov. (SOIL BIOLOGY)  
(THIAMINE)

EROSOV, N.V. [Alpovskiy, N.V.]

Relation between the form of nuclear polyhedra and the breed  
and species of the host. Dop. AN UzbK no.11:1534-1536 163.

(WIRA 17:12)

L. Institut zoologii AN UzbSSR.

RIPETSKIY, R.T.

Effect of temperature on the variation of forms of nuclear polyhedra in silkworm jaundice. Vop. virus. 10 no.4:397-402 J1-Ag '65. (MIRA 18:8)

1. Institut mikrobiologii i virusologii AN UkrSSR, Kiyev.

LITVINOV, L.S.; RIPETSKIY, R.T. [Rypets'kyi, R.T.]

Mineralization of organophosphates in the Carpathian brown soil.  
Mikrobiol.zhur. 23 no.1:9-14 '61. (MIRA 14:5)

1. L'vovskiy universitet im. I.Ya.Franka.  
(PHOSPHORUS ORGANIC COMPOUNDS)  
(CARPATHIAN MOUNTAINS--SOILS--MICROBIOLOGY)

~~RI~~PETSKIY, R.T. [Ripets'kiy, R.T.]

Variability of the form of nuclear polyhedra of the silkworm  
Bombux mori L. at various stages of development. Dop. AN  
URSR no.8:1119-1122 '63. (MIRA 16:10)

1. Institut zoologii ANUkrSSR. Predstavleno akademikom AN UkrSSR  
V.G. Kas'yanenko [Kas'ianenko, V.H.].  
(Silkworms--Diseases and pests)

RIPETSKIY, R.T. [Ripetskiy, R.T.]

Nuclear polyhedral disease in *Chrysopa perla* L. (Neuroptera) R.T.  
Dop. AN URSR no.12:1649-1652 '63. (MIRA 17:9)

L. Institut zoologii AN UkrSSR. Predstavleno akademikom AN UkrSSR  
V.S. Mas'yanenko [Mas'ianenko, V.S.].

MATSELYUKH, B.P.; RIPPITSKIY, R.T. [Ripets'kyi, R.T.]

Method of determining riboflavin (vitamin B<sub>2</sub>). Mikrobiol. zhur.  
25 no.2:58-61 '63. (MFA 17:10)

1. Institut mikrobiologii AN UkrSSR.

REPT. BY, S.I., ROMANOV, O.N.

Stabilization of loading in the process of fatigue testing. Nauch.zap.  
IMA AN URSR. Ser. mekhanika. vol. 10(113-128) '64. (MIRA 17:10)

RIPIANU, A. (Cluj, Romania)

Studies in motions produced by central forces. Muszaki kozl  
MTA 32 no.1/4:27-40 '63.

RIPIANU, Andrei, inz., predavac; TODOSIE, Constantin (Cluj, Rumunija)

Computation of forces to which a dynamic pendular Sarasin-Taylor shock absorber is exposed. Tehnika Jug 18 no.9:1611-1616a S '63.

1. Institut politehnike u Cluj-u (for Ripianu).

RIPIANU, Andrei (Cluj, Rumania); TUDOSIE, Constantin (Cluj, Rumania)

Determination of the field of second order accelerations in the  
plane-parallel movement of a solid. Stroj cas 15 no.4:326-336  
'64.

L 58512-65

ACCESSION NR: AP5019550

CZ/0032/64/014/010/0739/0743

AUTHOR: Ripianu, A. (Engineer); Tudosie, C.

TITLE: Non-uniformity of motion and maximum slip of sets consisting of a piston compressor and asynchronous motor

SOURCE: Strojirenstvi, v. 14, no. 10, 1964, 739-743

TOPIC TAGS: motion mechanics, engine compressor system, approximation method, shaft, differential equation, electric motor

Abstract [Authors' English summary, modified]: The successive approximation method is applied to solve differential equations describing the motion of shafts. The varying momentum of inertia is taken into account. Equations are derived without usual simplifications applied by conventional methods. As a consequence, results expressing the non-uniformity in the motion of the compressor shaft and in the slip of the driving motor are more accurate.

Orig. art. has: 2 figures, 63 formulas.

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L 58512-65

ACCESSION NR: AP5019550

ASSOCIATION: Vysoka skola technicka, Kluz (Higher School of Technology)

SUBMITTED: 00

ENCL: 00

SUB CODE: PR, ME

NR REF SOV: 000

OTHER: 000

JPRS

*hjs*  
Card 2/2

RIPIANU, Andrei, inz. (Str. Nicolae Jorgu 4, Cluj, NR Iuminija); TUDOSIE,  
Constantin, inz.; STANIC, Jeko, inz., asistent [translator].

Processing of fiat surfaces by grinding. Tehnika Jug 19 no.1:  
Suppl:Masinstvo 13 no.1:85-90 Ja '64.

1. Saradnici Politehnickog instituta u Cluju (for Ripianu and  
Tudosie). 2. Masinski fakultet, Beograd (for Stanic).

*Handwritten:* Ry... 11

FIGURE I BOOK EXPLANATION RRP/STB

Chaj, Tseretkova. Industrial Polytaric  
Elastic Polytaric (Scientific Works) Chaj, Tseretkova Polytaric, 1979.  
67 p. Krasa also included. No. of copies printed not given. No  
contents mentioned.

REMARKS: This book is intended for mathematicians, physicists, chemists, and  
civil and mechanical engineers.

CONTENTS: The book consists of 59 papers by Russian specialists on problems in  
science and technology, specifically: mathematics, physics, chemistry,  
metallurgy, civil and mechanical engineering. Summaries in Russian and  
French or German are given at the end of each article. Some of the articles  
are accompanied by references. No personalities are mentioned. At the back  
of the book there are 53 references, all Russian.

TITLE OF DOCUMENT:

Killem, I. Effect of the Vorn Geometry on the Machining Process of Machining a Vorn Wheel	457
Killem, I., and N. Chibrikova. Determining the Degree of Wear of Machining Tools	458
Killem, I. Problems of Solutions in the Production of Thread Saws and Turning Dies for Metric Thread	463
Killem, I. Geometrical Derivation of the Distribution of Accelerations in Mechanical Tools. On the Criteria Position and a Form Distribution of Speeds	479
Killem, I. Geometrical Derivation of the Distribution of Accelerations in Mechanical Tools. On the Criteria Position and a Form Distribution of Speeds	487
Killem, I. Specification of the Induction Motor as a Means of Reporting the Power Factor in Industrial Plants	503
Killem, N. Cooling Efficiency of a Cascade Cycle	511
Killem, N. An Industrial Cooling Installation for Cold Treatment at Subzero (-20) Temperatures	519
Killem, N., I. Laskov, and A. Gelfand. Use of Methane Gas in Purifiers for Air Conditioning	529
Killem, N., I. Laskov, and A. Gelfand. The Problem of Down-Drifted Water Air Purifiers Acting as a Circulation	547
Killem, N. Use of Complex Numbers in Kinematic Plane Motion. Proof of Similarity Theorem by Means of Complex Numbers	559
Killem, N. Solution of the Problems of Automating the Milling of Wheels on Tools of Different Configurations	567
Killem, N. and N. Kozlov. Problems of Building a High-Frequency Generator	577
Killem, N., N. Kozlov, G. Babin, and O. Gorkov. Electronic Devices for Milling Dies Based on Inertance-Induced Vibrations	587
Killem, N., N. Kozlov, and I. Gorkov. An Electronic Controller for Milling Dies Based on Inertance-Induced Vibrations	599
Killem, N., N. Kozlov, and I. Gorkov. Electronic Controller for Milling Dies Based on Inertance-Induced Vibrations	603
Killem, N., N. Kozlov, I. Gorkov, I. Prizmi, and A. David. Study of the Dynamics of Control Drives of the SPS-100 and Other Tools	615

122

RIPIANU, Andrei (Strada N.Iorga 4, Cluj, Roumanie)

Contribution to the study of transversal vibrations of strings. Acta  
tech Cz 5 no.6:584-594 '60. (EEAI 10:4)  
(Vibration)

RIPIANU, A.; TUDOSIE, C.

Dimensioning method of the shaping machine based on the  
power considerations. Bul stiint polit Cluj no.5:  
323-336 '62.

RIPIANU, A., TUDOSIE, C.

A method of mechanism determination. Bul stiint polit  
Cluj no.5:337-349 '62.

RIPIANU, A.; TUDOSIE, C.

Calculation of the working power of the Sarasin-Taylor  
swinging dynamic damper. *mai stiint polit Cluj* no.5:  
351-371 '62.

88521  
S/179/60/000/006/015/036  
E022/E514

13.2000

AUTHOR: Ripianu, A. (Cluj)

TITLE: On Motion Under the Action of a Central Force

PERIODICAL: Izvestiya Akademii nauk SSSR, Odeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1960, No.6, pp. 105-108

TEXT: This is an extension of Newton's theorem about central parabolic orbits, which is as follows: if a point  $M$  moves along a parabolic path under the action of the central force  $F$  (Fig.1), then the centre  $C$  of the circle which passes through the point  $M$ , the vertex of the parabola  $O$  and its focus  $A$ , will move along the bisector ( $\Delta$ ) of  $OA$  with a constant velocity equal to  $3/8$  of the velocity of  $M$  when it passes through  $O$ . In Ref.1 (A. Masotti) this theorem is extended to cover the parabolic path when the central force does not pass through the focus  $B$  of the parabola but through some other fixed point  $A$  (see Fig.2). It is shown that in this case there are always two fixed points  $M_2$  and  $M_3$  such that the circle passing through  $M$ ,  $M_2$  and  $M_3$  has its centre  $C$  moving with a constant speed along the bisector  
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E022/E514

On Motion Under the Action of a Central Force

of  $M_2M_3$ . The line through  $M_2M_3$  is always parallel to the axis of the parabola. A further extension, due to the author, is as follows: what are the possible paths (R) which will have the property that when a point M moves along any one of them under the action of some central force F directed towards some centre O, the centre of the circle r passing through M and two other fixed points  $M_2$  and  $M_3$  will move with a constant speed along the bisector  $\Delta$  of the line  $M_2M_3$  (see Fig.3). The general differential equation for such curves is given by

X

$$[\sin \theta - 2l\phi + (ls \cos \theta - m \sin \theta) \phi^2] \frac{d\phi}{d\theta} = A \sin^2 \theta - \quad (3.6)$$

$$-(\cos \theta + 2Al \sin \theta)\phi + (s + Al^2)\phi^2 - (m \cos \theta + ls \sin \theta)\phi^3$$

but it cannot be integrated. Assuming  $l = m = 0$  and hence  $q = 0$ , it reduces to the Riccati's equation

$$\frac{d\phi}{d\theta} = A \sin \theta - \phi \frac{\cos \theta}{\sin \theta} + \phi^2 \frac{s}{\sin \theta} \quad (3.7)$$

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On Motion Under the Action of a Central Force

which can be integrated. Finally, the following parametric equations are obtained for the required curves:

$$x = p \frac{(1 - u^2) (Ku - \frac{1}{2})}{2Ku^3 + 1}, \quad y = 2p \frac{u(Ku - \frac{1}{2})}{2Ku^3 + 1} \quad (3.16)$$

There are 3 figures and 1 non-Soviet reference.

SUBMITTED: June 6, 1960

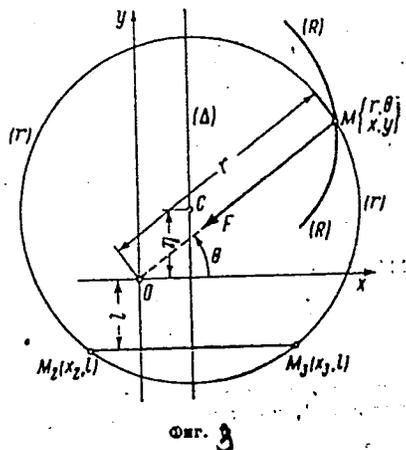
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S/179/60/000/006/015/036  
E022/E514

On Motion Under the Action of a Central Force



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RIPIANU, A., TUDOSIE, C. (Cluj)

Grinding flat surfaces with abrasive disks. Rozpr inz  
PAN 11 no. 4: 689-610 '63.

S/113/60/000/010/008/014  
D270/D301

AUTHOR: Ripianu, A. (Rumanian People's Republic)

TITLE: A new method of determining the natural frequencies of torsional systems in similar in-line engines

PERIODICAL: Avtomobil'naya promyshlennost', no. 10, 1960, 25 - 32

TEXT: The article deals with the graphoanalytical method of determining natural frequencies due to the torsion of in-line engines with any number of side masses. It considers a z-cylinder engine with 5 and c masses coupled to its shaft, as shown in Fig. 1a and 1b. The system has z + 5 degrees of freedom. The coupled masses are  $M_1$ ,  $M_2$  and  $M_3$  at one end of the crankshaft, and two side masses  $M'$  and  $M''$  at the other end. In the figure m is the reduced mass (to radius  $r_0$ ) which corresponds to the rotating and reciprocating masses of one cylinder, in  $\text{kg cm}^{-1} \text{sec}^2$ ,  $m_1$ ,  $m_2$  and  $m_3$  are masses reduced to  $r_0$  that replace non-motor masses  $M_1$ ,  $M_2$  and  $M_3$ , in  $\text{kg cm}^{-1} \text{sec}^2$ ,  $m'$  and  $m''$  are masses reduced to  $r_0$  and replacing  $M'$  and  $M''$

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A new method of determining the ...

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$m_e$ , in  $\text{kg}\cdot\text{cm}^{-1}\cdot\text{sec}^2$ ;  $m_e$  is a reduced mass dynamically equivalent to three nonmotor masses  $m_1$ ,  $m_2$ , and  $m_3$  in  $\text{kg}\cdot\text{cm}^{-1}\cdot\text{sec}^2$ ;  $c_1$ ,  $c_2$ ,  $c_3$ ,  $c'$  and  $c''$  are ratios of torsional rigidities to the square of radius of reduction, in  $\text{kg}\cdot\text{cm}^{-1}$ ;  $a_1$ ,  $a_2$ ,  $a_3$ ,  $a'$  and  $a''$  are shifts of torsional vibrations measured in cm at circle of radius  $r_0$ ;  $A_1$ ,  $A_2$ ,  $A_3$ ,  $A'$  and  $A''$  are amplitudes of torsional vibrations of reduced masses, measured in cm at circle of radius  $r_0$ ;  $\omega$  is the natural angular frequency of the system with  $(z + 5)$  masses. After development

$$-m\omega^2 \sum_{i=1}^{z+5} A_i^2 = 0 \quad (12)$$

is deduced. One of solutions of this z-mass system is  $x = 0$ . The relative amplitude of vibrations of any i-th mass ( $A_i^2$ ) depends on  $x = (\omega/\omega_p)^2$ . Varying the latter quantity from zero to infinity for any arbitrary z with equal masses and rigidities between them

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A new method of determining the ...

allows  $B_z = B_z(x)$  ... determining the roots of the system of  $x$  equations of vibrating masses ... to be plotted. Three groups of curves corresponding to three roots of  $x$  are illustrated. These are computed for various values of  $z$  from 6 to 20. In order to establish the relationship between  $B_e(x)$  and  $B_z(x)$ , which is necessary to determine the natural frequencies, function  $B_e(x)$  should be plotted on  $oxB_z$ . In this figure,  $z$  is replaced by letter  $n$ , which designates the number of equal masses that are required to replace  $m_e$ . (Fig. 5) After the exchange of  $m_e$  by  $h$  equal masses, there will be  $z + h$  equal masses in the system. With further transformations the latter can be replaced by a single mass  $m_E$ . A new curve  $B_e^3(x)$  must be plotted so that, for given  $z$  and  $x$ , this curve may not lay over curve  $B_z(x)$ . In this construction, knowing the number of cylinders of the in-line engine, i.e. the number of its motor masses, it is necessary to provide the unknown quantity  $h$  with a series of whole and positive values. An assumption is made that  $z$  is the number of cylinders, and  $h$  is a whole and positive quantity. Then the total

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number of equal masses will be  $z + h$ . An explanation is given of the plot which is used to determine the natural frequency. After replacing  $z + h$  equal masses by a dynamically equivalent mass  $m_E$ , a simplified system with three masses is obtained. Similar procedure to the one elaborated in the article can be used for calculating a system with another number of degrees of freedom, for any arbitrary quantity of cylinders  $z$ , of an in-line engine. The torsional system of a six-cylinder engine with equal motor masses, four masses coupled at one end, and two masses at the other, is shown diagrammatically. There are 9 figures.

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D270/D301

Fig. 1.

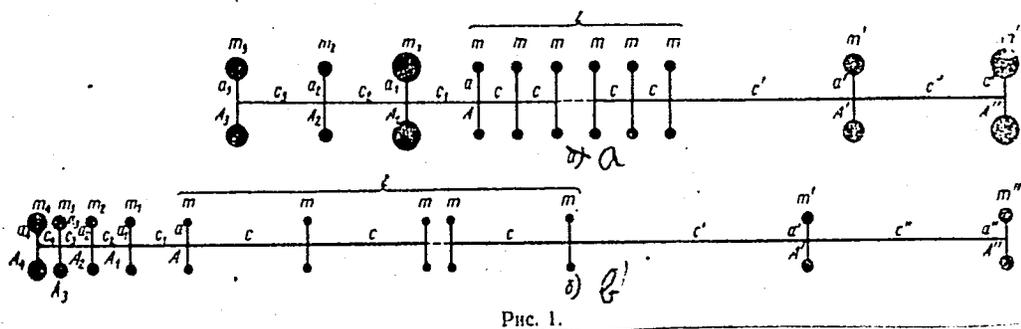


Рис. 1.

A new method of determining the ...

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Fig. 5.

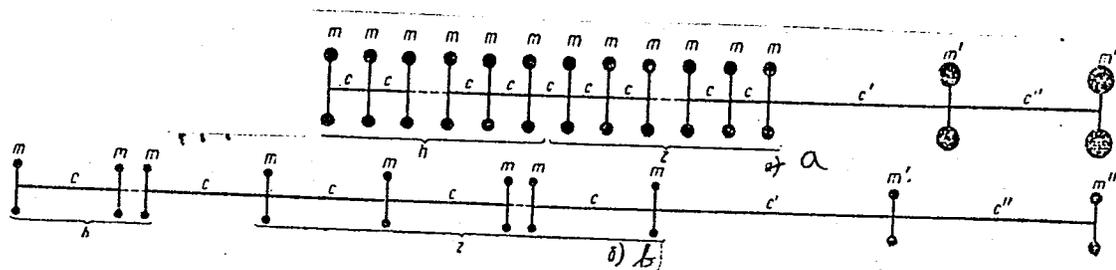


Рис. 5.

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RIPIANU, Andrei, inz.; TUDOSIE, Constantin, mgr.

Power method of determining the dimensions of the yoke mechanism  
of a shaping machine. Przegl mech 22 no.18:553-557 25 S'63.

1. Instytut Politechniczny, Cluj, Rumunia.

RIPIANU, Andrei, ing.

New method for determination of the pulsations corresponding to torsion vibrations of crankshafts in homogenous engines in line. Constr mas 15 no.6:458-464 Je '63.

1. Institutul politehnic, Cluj.

RIPIANU, Andrei (Cluj, Roumanie)

New method for determining proper pulsations corresponding to the torsional vibrations of the crank shafts of homogeneous motors in line. Acta techn Hung 41 no.1/2:227-243 '62.

RIPIANU, Andrei, Inz. (Str.N.Jorga 4, Cluj, Rumania)

Contribution to the study of buckling of bars with variable section.  
Acta techn Cz 6 no.4:356-371 '61.

(Buckling(Mechanics))

RIPIANU, A. (Rumysnskaya Narodnaya Respublika)

Determining frequencies of natural vibrations of torsional systems  
of similar row engines. Avt.prom. no.10:25-32 0 '60. (MIRA 13:11)  
(Motor vehicles--Engines--Vibration)

RIPIANU, A. ; TUDOSIE, C.

Study of connecting link mechanisms in light industry. p.100.

INDUSTRIA USCATA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Departamentul Industriei Usoare din Ministerului Industriei Bunurilor de Consum) Bucuresti, Romania. Vol. 6, no. 3, Mar. 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959

Uncl.

RESUME, I.

The longitudinal bending stresses in varying cross-sectional bars.

p. 33 (Metallurgia Si Constructia De Masini. Vol. 9, no. 4, Apr. 1957. Bucuresti, Rumania)

Monthly Index of East European Accessions (MEM) IC. Vol. 7, no. 2, February 1958

RIPIANU, A.; TUDOSIE, C.

Contributions to the calculation of the flywheel of machines operated by asynchronous motors. Bul stiint polit Cluj 6:307-327 '63.

Contributions to the determination of dimensions of the transmission belt. Ibid.:329-347

RIPIANU, A., ing.; TUDOSIE, C.

Calculation of the nonuniformity of motion and maximum slide  
of a piston compressor driven by asynchronous three-phase  
electric motors. Strojirenstvi 14 no.10:739-743 0 '64.

I. Higher School of Technology, Cluj.

RIPIANU, A.

Contributions to the distribution study of the  
tangential uniaxial stresses occurring in the  
hypocycloidal profile K shafts. Bul stiint polit  
Cluj no. 7:293-314 '64.

RIPIANU, A.; TUDOSIE, C.

On the dynamics of the Sheping type machine tools  
run by asynchronous engines. Bul stiant polit Cluj  
no.7:315-331 '64.

Contributions to the study on the transitory motion  
of the piston type motors during the starting period.  
Ibid.:333-346

REPIANU, A. (Cluj, Romania); SIRBU, N. (Cluj, Romania)

Contribution to the investigation of transitory movements  
of rotors on passing through the critical revolution.  
Acta techn Hung 49 no.1/2:3-35 '64.

RIPIANU, A.

A graphic method for the determination of the center of curvature of the trajectory of a point located on a plate in plane motion. p. 14.  
(METALURGIA SI CONSTRUCTIA DE MANSINI. RUMANIA. Vol. 8, no. 5, May 1956.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

26221  
Z/026/61/006/002/004/004  
D231/D304

16.4200  
AUTHOR:

Ripianu, A.

TITLE:

The approximate calculation of the Fourier series of periodic functions

PERIODICAL:

Aplikace matematiky, v. 6, no. 2, 1961, 135-157

TEXT: The harmonic analysis of periodic functions is of great importance in many technical fields, especially in vibration studies. The exact determination of the Fourier series is only possible if it can be expressed as  $y = f(x)$ ; this is not the case in most instances, as they occur in the technical fields. In practice one uses approximate values determined in certain calculations. The coefficient  $s$  is in L. Zipperer's method =  $24$ , in Runge's =  $4k$  (k being a whole positive number). The errors, of course grow as the series grow. It is possible to reduce the error by increasing the number of sections into which the series is divided; as the number of divisions increases, the error gets smaller. It is the aim of the present work to improve the accuracy; the method used is

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Z/026/61/006/002/004/004  
D251/D304

The approximate calculation...

entirely different from G.S. Lavina's work, the goal being to divide the period into  $s$  equal sections. Lavina solves this problem for the special case of  $k = 2^n$ . However in order to determine the coefficients  $\binom{a_0}{2^n s}, \binom{a_1}{2^n s}, \binom{b_1}{2^n s}, \dots$  from the known coefficients

$\binom{a_0}{s}, \binom{a_1}{s}, \binom{b_1}{s}$  .. one must determine the values of all the intermediate coefficients  $\binom{a_j}{2^j s}, \binom{a_{j+1}}{2^j s}, \binom{b_j}{2^j s}$  for  $j = 1, 2, \dots, n - 1$ ;

which is not advantageous. In this method one can express the coefficients:  $\binom{a_0}{p^n s}, \binom{a_1}{p^n s}, \binom{b_1}{p^n s}$  directly as functions of  $\binom{a_0}{s}, \binom{a_1}{s}, \binom{b_1}{s}$  ✓

where the interval  $(0, 2\pi)$  is slid along axis  $u$ . When applying the author's method to Lavina's special case, the same results are obtained. The relations shown at

$$\begin{aligned} \binom{a_i}{p^n s} &= \frac{1}{p^n} \left[ \binom{a_i}{s} + \sum_{v=1}^n \sum_{(\lambda_1, \lambda_2, \dots, \lambda_v)} \sum_{\sigma_{\lambda_1}, \dots, \sigma_{\lambda_v}=1}^{p-1} A^{[\sigma_{\lambda_1} \lambda_1 + \dots + \sigma_{\lambda_v} \lambda_v]} \right], \\ \binom{b_i}{p^n s} &= \frac{1}{p^n} \left[ \binom{b_i}{s} + \sum_{v=1}^n \sum_{(\lambda_1, \lambda_2, \dots, \lambda_v)} \sum_{\sigma_{\lambda_1}, \dots, \sigma_{\lambda_v}=1}^{p-1} B^{[\sigma_{\lambda_1} \lambda_1 + \dots + \sigma_{\lambda_v} \lambda_v]} \right], \end{aligned} \tag{32}$$

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The approximate calculation...

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and at 
$$\begin{pmatrix} a_0 \\ p^{n_s} \end{pmatrix} = \frac{1}{p} \left[ \begin{pmatrix} a_0 \\ p^{n-1_s} \end{pmatrix} + \sum_{\sigma=1}^{p-1} \begin{pmatrix} a_0 \\ p^{n-1_s} \end{pmatrix} [\sigma\alpha_n] \right] \quad (37)$$

enable one to determine the values for the Fourier series - coefficients for a period of  $p^n$ s particles. This makes it possible to determine the Fourier series with an error comparable to the results obtained with Zipperer's method. There are 3 non-Soviet-bloc references.

SUBMITTED: October 28, 1959

X

Card 3/3

RIPIANU, A.; TUDOSIE, C.

On relative motion. Bul stiint polit Cluj no.5:373-381 '62.

RIPIANU, A.; TUDOSIE, C.

Preparing plane surfaces by means of abrasive stones. Bul  
stiint polit Cluj no.5:297-322 '62.

RIPIANU, A.; TODOSIE, C.

Method for dimensioning the gyroscopic flywheel working as  
a stabilizer for monorail cars. Bul stiint polit Cluj  
no.5:383-390 '62.

R/008/60/000/004/013/018  
A125/A126

AUTHOR: Ripianu, Andrei

TITLE: Determination of the natural frequencies of torsional vibrations of crankshafts

PERIODICAL: Studii si Cercetari de Mecanica Aplicata, no. 4, 1960, 997 - 1018

TEXT: This paper presents a method for determining the natural frequency of torsional vibrations of a system consisting of a crankshaft to which lateral weights are attached. The graphical method by Otto Kraemer, Berthold Frank and Robert Arnold (Ref. 1: Drehschwingungsrechnung. Umdruck A. Karlsruhe. Technische Hochschule Friedericiiana, 1954) is extended to the complex case of the crankshaft in a 6-cylinder engine, to which 6 lateral weights are attached. This method may be applied to the case of any number of weights attached to the crankshaft. If the graphic construction is done carefully, the values obtained come very close to the actual ones. There are 16 figures and 5 references: 3 Soviet-bloc and 2 non-Soviet-bloc.

SUBMITTED: February 3, 1960 (initially) - March 14, 1960 (after revision)  
Card 1/1

21269

R/008/61/000/002/007/002  
D235/D304

16.6500

AUTHOR: Ripianu, Andrei

TITLE: Contributions to the approximative calculation of the Fourier series' coefficients of a periodical function

PERIODICAL: Studii și cercetări de mecanică aplicată, no. 2, 1961, 423 - 431

TEXT: The author recommends a calculation method in order to improve the accuracy of the values of the coefficients of a development in the Fourier series, obtained by using one of the existant calculation schemes, within the framework of which the period was divided into s equal parts. Thus, the author tried to find the mathematical relations which will express the coefficients of the Fourier series, obtained in case of dividing the period in ks equal parts notated as

$$\begin{matrix} a_0 & a_i & (b_i) \\ ks, & ks, & ks, \end{matrix}$$

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R/008/61/000/002/007/008  
D235/D304

X

Contributions to the ...

as a function of the coefficients obtained in case of dividing the period in  $s$  equal parts notated as

$$\begin{pmatrix} a_0 \\ s \end{pmatrix}, \begin{pmatrix} a_i \\ s \end{pmatrix}, \text{ and } \begin{pmatrix} b_i \\ s \end{pmatrix}.$$

The general case  $k = p^n$  has been selected. Considered is a periodical function  $f(x)$  having an  $l$  period. By the change of variable  $x = \frac{1}{2\pi} u$ , one obtains the periodical function:

$$\varphi(u) = f\left(\frac{1}{2\pi} u\right) = f(x), \quad (1)$$

having a  $2\pi$  period. The function  $\varphi(u)$  is developed in a Fourier series:

$$\varphi(u) = a_0 + \sum_{i=1}^{\infty} (a_i \cos iu + b_i \sin iu), \quad (2)$$

in which  $a_0 = \frac{1}{2\pi} \int_0^{2\pi} \varphi(u) du$ ;  $a_i = \frac{1}{\pi} \int_0^{2\pi} \varphi(u) \cos iu du$ ;  $b_i = \frac{1}{\pi} \int_0^{2\pi} \varphi(u) \sin iu du$ . (3)

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f(x) results from (1) and (2):

$$f(x) = a_0 + \sum_{i=1}^{\infty} \left( a_i \cos i \frac{2\pi}{l} x + b_i \sin i \frac{2\pi}{l} x \right),$$

where-from it results that the coefficients  $a_0, a_i, b_i$  of (2) correspond to a Fourier series of the function f(x). For the effective calculation of the value of  $\varphi(u)$  from (2), a double approximation is made: a) The development is limited to 1; 2; ...; m, of i; and b) For the calculation of  $a_0, a_i, b_i$  from (3) the formula of approximate quadrature will be used:

$$\frac{1}{2\pi} \int_0^{2\pi} \theta(u) du \cong \frac{1}{s} \sum_{\lambda=1}^s \theta(h\lambda), \tag{4}$$

in which  $\theta(u)$  is a periodical function of the  $2\pi$  period. After having accomplished some difficult calculations, the author obtains the expressions of the coefficients

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$$\left(\frac{a_0}{p^{n_s}}\right), \left(\frac{a_i}{p^{n_s}}\right), \text{ and } \left(\frac{b_i}{p^{n_s}}\right),$$

corresponding to the fractionating of the  $(0 - 2\pi)$  period into  $p^{n_s}$  equal parts, as a function of the

$$\left(\frac{a_0}{s}\right), \left(\frac{a_i}{s}\right), \left(\frac{b_i}{s}\right)$$

coefficients, which may be obtained by dividing the  $(0 - 2\pi)$  period into  $s$  equal parts, and subjecting the  $(0 - 2\pi)$  period to a shifting along the  $Ou$  axis, whose values are given. The author then presents two clarifying examples. There are 1 figure and 2 non-Soviet-bloc references.

ASSOCIATION: Institutul politehnic (Polytechnical Institute), Cluj

SUBMITTED: November 21, 1959 (initially)  
October 27, 1960 (after revision)

Card 4/4

RIPIANE, E. (in)

On some polynomials of interpolation. Studii mat Iasi 14  
no. 2:215-230 '61.

RIPIANU, Dumitru

A problem of minimum in the interpolation theory. Comunicarile  
AR 13 no.8:697-701 Ag'63.

1. Academia R.P.R. Filiala Cluj, Institutul de Calcul. Comu-  
nicare prezentata de academician T.Popoviciu.

RIPIANU, Dumitru (Cluj)

A boundary problem related to an equation with partial derivatives.  
Studii cerc mat Cluj 11 no.1:147-169 '60. (EEAI 10:9)

(Boundary value problems)  
(Differential equations)

RIPIANU, Dumitru

On the multilocal problem for linear differential equations with  
constant coefficients. Studii cerc mat Cluj 9 no.1/4:321-341 '58.

(EEAI 10:5)

(Differential equations)

(Interpolation)

(Topology)

10517

S/044/62/000/008/018/073  
C111/C333

63500

AUTHOR:

Ripianu, Dumitru

TITLE:

On a boundary value problem for a partial differential equation

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 8, 1962, 46-47, abstract 8B217. ("Studii si cercetări mat. Acad. RPR Fil. Cluj", 1960, 11, no. 1, 147-169)

TEXT:

To determine is the solution of the equation

$$\frac{\partial^N u}{\partial x_1^{p_1} \partial x_2^{p_2} \dots \partial x_n^{p_n}} = f(x_1, x_2, \dots, x_n)$$

where  $p_1, p_2, \dots, p_n$  integers and  $\geq 1, \sum_{i=1}^n p_i = N, f \in C^0(p_n), p_n$  is a parallelepiped along the coordinate axis. The solution should satisfy the boundary conditions

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S/044/62/000/008/018/073

C111/C333

On a boundary value problem for ...

$$\left[ \frac{\partial^{N-(p_{\alpha_1} + p_{\alpha_2} + \dots + p_{\alpha_k})}}{\partial x_{\alpha_1}^{p_{\alpha_1}} \partial x_{\alpha_2}^{p_{\alpha_2}} \dots \partial x_{\alpha_k}^{p_{\alpha_k}}} u \right]_{x_{\alpha_1}, \dots, x_{\alpha_k}} =$$

$$= \varphi_{\alpha_1, \alpha_2, \dots, \alpha_k}(x_{\alpha_1}, x_{\alpha_2}, \dots, x_{\alpha_k})$$

$(\alpha_1, \alpha_2, \dots, \alpha_k)$   
 $k=1, 2, \dots, n-1.$

where  $u(0, \dots, 0) = u_0$ ,  $\alpha_i \in (1, 2, \dots, n)$  and the  $(\alpha_1, \dots, \alpha_k)$  cover all combinations  $C_n^k$  of  $(1, 2, \dots, n)$ . The obtained solution depends on  $2^{n-1}(N-n)$  arbitrary functions. The result is a generalization of one of the author's earlier papers.

[Abstracter's note: Complete translation.]

Card 2/2

RIPIANU, Dumitru

Existence theorems for an equation with partial derivatives. Studii  
cerc mat Cluj 10 no.1:133-199 '59. (EEAI 10:6)  
(Existence theorems) (Functions)  
(Spaces, Generalized)

RIPIANU, DUMITRU

0002

Ripianu, Dumitru. Existence theorems for linear hyperbolic partial differential equations of order  $n$ . Acad. Repub. Pop. Române. Bul. Şti. Ser. Mat. Fiz. Chimi. 2, 109-118 (1950). (Romanian. Russian and French summaries)

Discussion of certain initial value problems associated with the partial differential equation  $\partial^n u / \partial x_1 \partial x_2 \dots \partial x_n = F$  where  $u$  is a function of  $x_1, \dots, x_n$  and  $F$  is a linear function (with variable coefficients) of  $u$  and of the partial derivatives of  $u$  up to and including order  $n-1$ . A. Erdélyi.

Source: Mathematical Reviews,

Vol 13 No 5

*Stanley*

GALUSARU, A.; RIPEANU, S.; BENES, L.

On the structure and magnetic characteristics of the electrolytic cobalt strata used for neutron polarization. Studii cerc fiz 14 no.3:239-247 '63.

1. Institutul de fizica atomica Bucuresti.

RIPINSKIY, N., arkhitektor; SOKOLOV, A., arkhitektor

The development of Alma-Ata and the construction of a new  
district of the city. Zhil. stroi. no.8:6-8 '62. (MIRA 15:9)  
(Alma-Ata--City planning)

RIPKA, Otto; MALIS, Frantisek; VALENTOVA, Vlasta; OUREDNIK, Alois; KOSTKOVA, Helena

The hemodynamic effects of ecolid. Sborn. lek. 60 no.4:131-136 Apr 58.

1. II. interni klinika fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta prof. Dr. Frantisek Herles. Ustredni laboratore polikliniky Karlovy university v Praze, prednosta prof. Dr. Stanislav Janousek Nemocnice na Slupi, primar Dr. R. Muratova. Or., II. interni klinika, U nemocnice 2, Praha 2.

(AUTONOMIC DRUGS, therapeutic use

chlorisondamine chloride in hypertension, hemodynamic eff. (Cz))

(HYPERTENSION, therapy

chlorisondamine chloride, hemodynamic eff. (Cz))

I 13220-66

ACC NR: AP6006076

SOURCE CODE: CZ/0053/65/014/004/0309/0310

AUTHOR: Ripka, O.; Malis, F.

ORG: Second Clinic of Internal Medicine, Faculty of General Medicine, Charles University, Prague (II. interni klinika fak. vseob. lek. KU)

25  
B

TITLE: Clinical trials of esbatal, a new sympatholytic drug [This paper was presented during the Twelfth Pharmacologic Days, Smolenice, 28 Jan 65.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 309-310

TOPIC TAGS: blood pressure, clinical medicine, man, pharmacology, drug effect

ABSTRACT: Treatment of 18 hypertensive men and 19 women aged 30 to 74 with benthandine for 6 to 8 months revealed good hypertensive effect without decreased renal flow or glomerular filtration rate reduction; no effect on liver test, cholesterol, glucose tolerance, hemogram, or electrolytes, but some postural hypotension, muscular weakness, ejaculatory disturbances in 11% of the men. Larger comparative studies on guanethidine seems to be justified. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1

RIBKA, Otto; MALIS, Frantisek

Pharmacodynamic and therapeutic study of alpha-methyldopa.  
Vnitřní lek. 11 no.12:1186-1191 D ' 65.

1. II. vnitřní klinika FVL Karlovy University v Praze  
(prednosta - prof. Dr. F. Herles, DrSc.) a Ustřední laborator  
polikliniky FVL University Karlovy v Praze (prednosta - prof.  
Dr. J. Homolka, DrSc.).

1971, 5, 228, 7.

Survival in uncomplicated and complicated hypertension treated with hypotensive drugs. Cas. lek. cesk. 1971 no. 9101385-1987 18 p 361

1. 10. Interni klinika Fakultny nemocnice Jelenstvi Pavlov University v Brne (prednosta prof. dr. F. J. Jelen) a Metodni centrum pro kliniku a statistiku, dermatofili oddeleni v Brne (vedouci J. J. V. S. S. S.).

RIPKA, O.

Hypertension and pyelonephritis. Sborn. lek. 62 no.7-8:236-246  
Jl '60.

1. II. Interni klinika fakulty vseobecneho lekarstvi Karlovy  
university v Praze, prednosta prof. dr. F. Herles.  
(PYELONEPHRITIS compl.)  
(HYPERTENSION etiol.)

SOVA, Jos.; RIPKA, O.; DAUM, S.

Hemodynamics of hypertensive patients under the influence of  
hypotensive substances. Cas. lek. cesk. 96 no.5:140-146  
1 Feb 57.

1. II. Interni Klinika KU Praha. Prednosta: prof. MUDr.  
Ant. Vancura. J. S., Praha 2, U nemocnice 2.

(HYPERTENSION, ther.

phthalazines, pentamethonium & reserpine, statist. (Cz))

(RESERPINE, ther. use

hypertension, statist. (Cz))

(METHONIUM COMPOUNDS, ther. use

pentamethonium in hypertension, statist. (Cz))

(HETEROCYCLIC COMPOUNDS, ther. use

phthalazines in hypertension, statist. (Cz))

prolonged treatment of hypertension with methonium salts alone & combined with other hypotensive drugs. Čas. lek. česk. 90 42.50:1134-1143  
concept 57.

1. II. Interní klinika na Lévy university, přednosta prof. Dr. Fr. Herlec.
  - MEKLOTHALONE, ther.
    - methonium epds. alone & with hydralazine & reserpine (Cz))
  - QUINIDINE COMPOUNDS, ther. use
    - hypertension, alone & with hydralazine & reserpine (Cz))
  - (METHALAZINE), ther. use.
    - hypertension, with methonium epds. & reserpine (Cz))
  - (METHALAZINE), ther. use
    - hypertension, with methonium epds. & hydralazine (Cz))

CZECHOSLOVAKIA / Pharmacology, Toxicology, Cardio-vascular Drugs. V

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 94294

Authors : Sova, Jos; Ripka, O.; Daun, S.

Inst : Not given

Title : The Effect of Hypotensive Remedies on the Hemodynamics of Hypertonic Disease.

Orig Pub : Casop lekaru cesyech., 1957, 96, No. 5, 140-146.

Abstract : Changes in the hemodynamics with a single injection of hypotensive remedies were studied by observation of 25 patients with hypertonic disease (II - III stages). When serpasil in a dosage of 1 mg is administered hypodermically the blood pressure goes down as a result of a decrease in the minute volume of the heart, and

Card 1/2

RIPKA, O.; SRB, V.

Change in the prognosis of the malignant stage of hypertension as a result of the prolonged administration of hypotensive agents. Cas. lek. cesk. 102 no.24:666-674 14 Je '63.

1. II.interni klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. F. Herles Ustredni urad statni kontroly a statistiky, demograficke oddeleni, v Praze, vedouci JUDr. Vladimir Srb.

(HYPERTENSION, MALIGNANT)  
(ANTIHYPERTENSIVE AGENTS)  
(HEART FAILURE, CONGESTIVE)  
(CORONARY DISEASE)  
(CEREBRAL HEMORRHAGE)  
(PROGNOSIS)

RIPKA, O.

Hypotensive and side-effects of methoxyphenoserpine, a new reserpine derivative. Cas. lek. cesk. 102. no.46:1278-1279 N'63.

1. II. interni klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. F. Herles, DrSc.

\*

RIPKA, O.

The use of methoxyphenoserpine, a reserpine derivative, in the treatment of hypertensive disease. Sborn. lek. 67 no.3:85-93  
Mn'65.

I. II. interni klinika fakulty vseobecného lékařství University  
Karlovy v Praze (prednosta: prof. dr. F. Herles, DrSc.).

RIPKA, O.; MALIS, F.

The hypotensive action of benthnidine, an adrenergic blocking agent. Cas. lek. cesk. 104 no.24:658-661 18 Je'65.

1. II. interni klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta: prof. dr. F. Herles, DrSc.); a Ustredni laborator polikliniky fakulty vseobecneho lekarstvi Karlovy University v Praze (vedouci: prof. dr. J. Homolka, DrSc.).

RIPEK, O.

Clinical experience with alpha-methyl-cyano-a-ketoglutarate dehydrogenase inhibitor. Cas. Lek. Cesk. 104 no.7:173-175 19 1965

I. H. interní klinika fakulty všeobecného lékařství Karlovy University v Praze (náměstek prof. dr. F. Berles).

RIPKA, O.; MALIS, F.

Darenthin, clinical evaluation of a hypotensive agent blocking the sympathetic nervous system. Sborn. lek. 66 no.2:33-40 F'64.

1. II. interni klinika fakulty vseobecného lékařství University Karlovy v Praze (prednosta: prof.dr. F.Herles) a Ustredni laboratore fakultni polikliniky v Praze 2 (vedouci: doc.dr. J.Homolka).

\*

Prevalence of arterial hypertension in Czechoslovakia. I.  
Czechoslov. lek. čas. 10 no. 3:149-156 1965.

1. General Medical Clinic, Faculty of General Medicine, Charles  
University, Prague (Director: Prof. F. Horles, M.D., D.Sc.) and  
Central Commission of Population Control and Statistics, Demographic  
Department, Prague (Director: Dr. V. Srbis).

RIPKA, G.

Application of the decarboxylase inhibitor alpha-methyl-dopa  
in the treatment of advanced stages of hypertensive disease.  
Rev. Czech. med. 11 no.3:190-197 '65.

1. Second Medical Clinic, Faculty of General Medicine, Charles  
University, Prague (Director: Prof. F. Herles, M.D., D.Sc.).

RIPEKA, O.; MALIS, F.

Changes in renal hemodynamics and mineral metabolism following the administration of hydrochlorothiazide in normotensive and hypertensive persons. Sborn. lek. 67 no.8/9:252-258 Ag '65.

1. II. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta prof. dr. F. Herles, DrSc.) a Ustredni laboratore Ustavu narodniho zdravi -- hl. m. Prahy (vedouci prof. dr. Honclka, DrSc.).

RIPKA, O

COUNTRY : CZECHOSLOVAKIA V  
 CATEGORY : Pharmacology and Toxicology. Ganglionic Blocking Agents  
 ABS. JOUR. : RZhBiol., No.5 1959, No. 23120  
 AUTHOR : Ripka, O.; Malis, F.; Valentova, V.; Ourednik, \*  
 INST. : -  
 TITLE : Hemodynamic Action of Ecolid  
 ORIG. PUB. : Sbor. lekar., 1958, 60, No 4, 131-136  
 ABSTRACT : The changes in the blood pressure, minute heart volume and renal function with different routes of introduction of the preparation are reported on the basis of observation of 33 patients with hypertension.-- From the authors' summary  
 \*A.; Kostkova, H.

Card: 1/1

cal drug. 1 figure, 1 Czech reference.

1/1

RIPKA, O.

Diuretic effect of terpinenol, a constituent of juniper oil.  
Sborn. lek. 66 no.6:161-166. Je'64

1. II. interni klinika fakulty vseobecneho lekarstvi Univer-  
sity Karlovy v Praze; prednosta: prof. dr. F.Herles, DrSc.

RIPKA, O.

Clinical value of hypolive, aqueous extract of olive trees leaves,  
in the treatment of hypertension. Cesk. fysiolo. 8 no.5:456-457 S '59

1. II. interni klinika Fak. vsob. lek. KU Praha.  
(ANTIHYPERTENSIVE AGENTS, ther.)

CZECHOSLOVAKIA

REPKA, O., Second Clinic of Internal Medicine (II. interni klinika) Faculty of General Medicine (Fakulta vseobecneho lekarstvi), Charles University, Prague, director Prof. Dr. F. HERBERG; and SRB, V., LL.D., director of the Central Office of State Control and Statistics (Ustredni urad statni kontroly a statistiky), Demography Department (Demograficke oddeleni), Prague.

"Changes in the Prognosis of Malignant Stages of Hypertension as a Result of Prolonged Administration of Hypotensive Preparations"

Prague, Casopis Lekaru Ceskych, Vol CII, No 24, 14 June 63, pp 666-674.

Abstract [Authors' English summary, modified]: Comparison of survival and causes of death in 44 patients treated with hypertensive preparations for at least 5 years, with untreated patients. A long-term administration markedly prolonged survival. The most favorable prognosis is in patients who had no organ decomposition or suffered from decomposition of the left heart. In patients with a diastolic pressure under 150 millimeters Hg before treatment was initiated it is possible to exert a favorable effect by hypotensive preparations. Fifteen references, including 6 Czech.

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